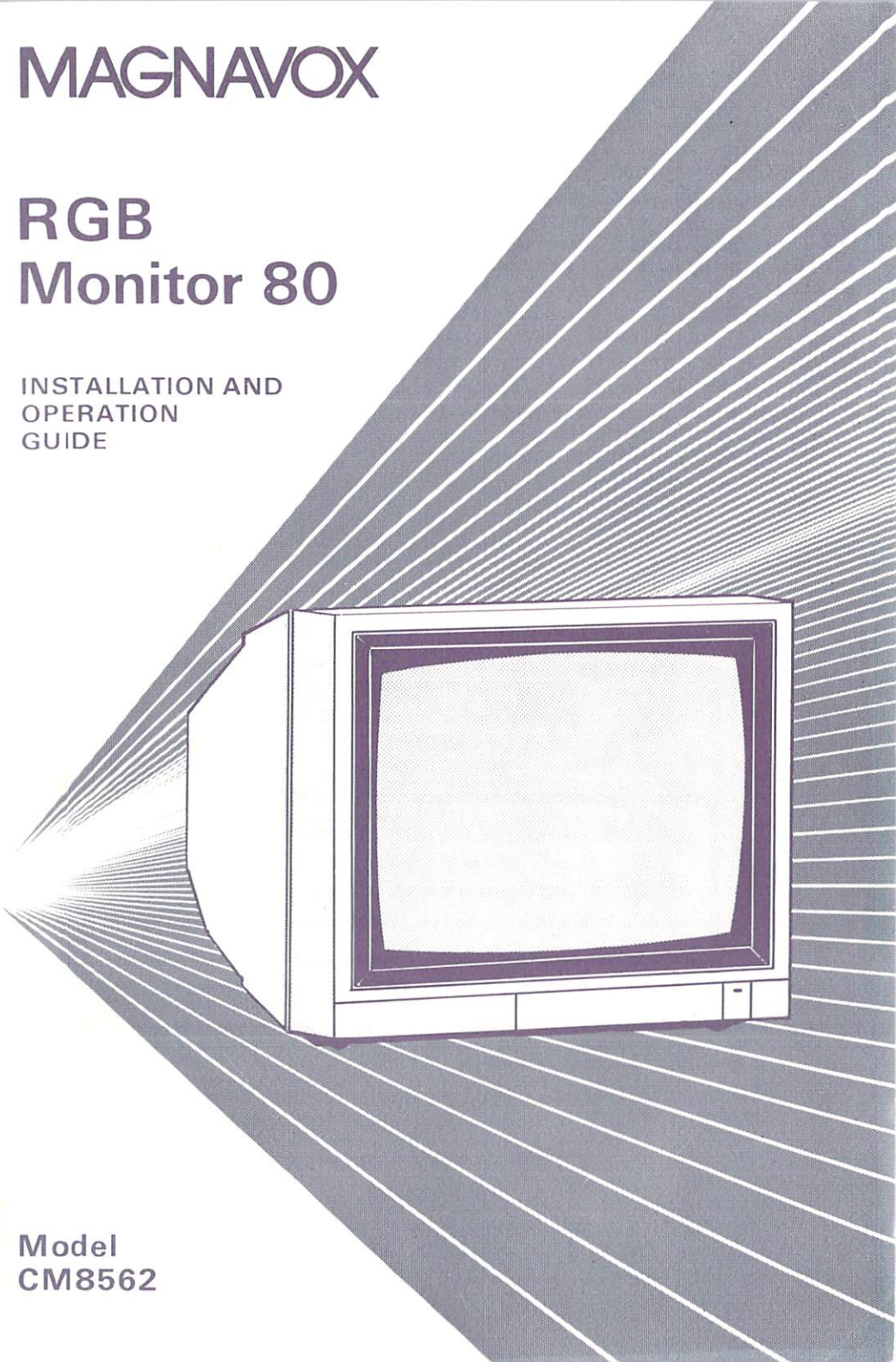
MAGNAVOX

RGB Monitor 80

INSTALLATION AND
OPERATION
GUIDE



Model
CM8562

INTRODUCTION

Thank you for purchasing a Magnavox color computer monitor. We believe it will provide you with years of trouble free performance providing it is installed and maintained according to the guidelines listed in this manual. Please read the rest of the manual before you attempt to connect and operate your color monitor.

Your Magnavox color monitor is engineered and constructed to work well with a variety of home and personal computer products. In general, your new monitor will function properly with any computer which generates a composite video signal. In addition, your unit is equipped with an audio input and speaker to provide sound reproduction for those computers which also generate an audio signal. This monitor offers superior resolution and can be used as a display for a VCR, VLP, color camera, or as a component TV with the addition of a component TV tuner.

Connecting cables for several models of popular personal computers are packed with your monitor. Each cable's package lists the computers it is to be used with. Interface cables for other computer products are available either from your computer dealer or direct from Magnavox.

Besides composite audio and video, your monitor has a connection input for RGB-TTL. This can be used for a computer or other equipment requiring this type of hookup.

Before going further, take a moment to record your color monitor model and serial number in the spaces provided below.

MODEL _____ SERIAL # _____

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point with an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

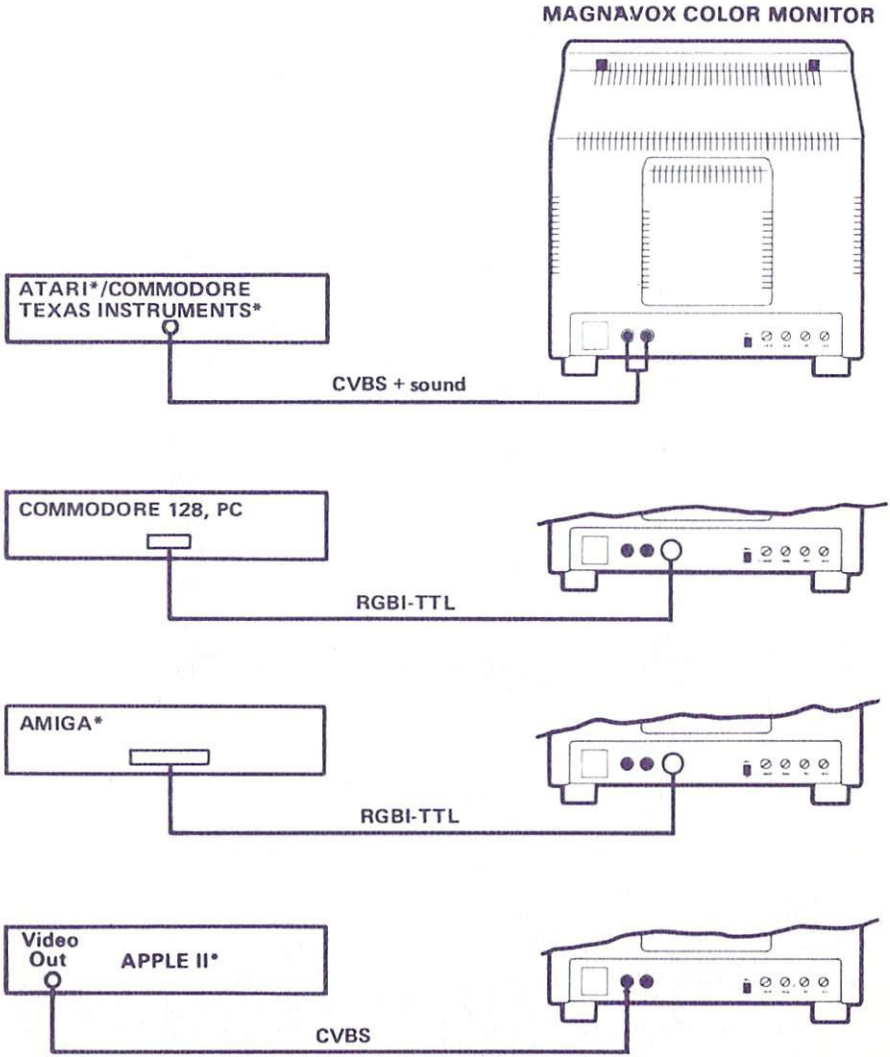
WARNING

TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR EXCESSIVE MOISTURE.

CONNECTION TO THE COMPUTER

Your monitor is equipped with phono connectors for input of composite video and audio signals and with a DIN connector for input of RGBI-TTL signals. Each connector is marked for its function.

The illustrations below demonstrates some of the different type of computer connections that can be made to your monitor.



*Atari is a trademark of Atari, Inc.
*Commodore is a trademark of Commodore Business Machines, Inc.
*Texas Instruments is a trademark of Texas Instruments, Inc.
*Apple is a trademark of Apple Computer, Inc.
*Amiga is a trademark of Commodore Business Machines, Inc.

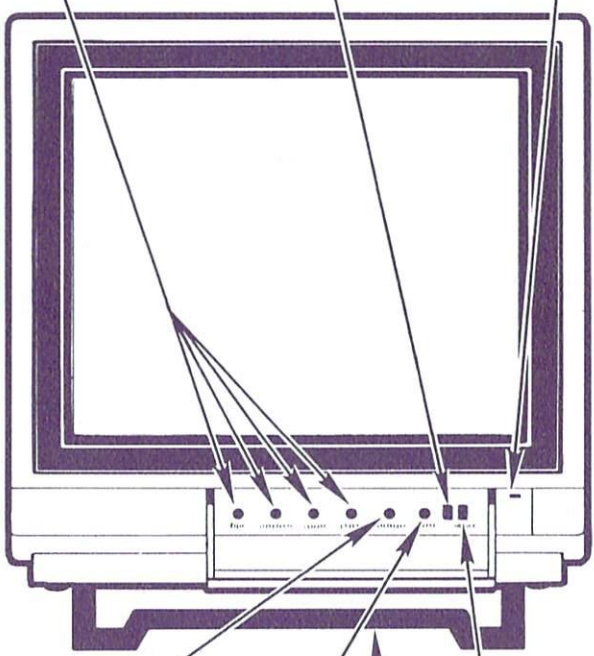
Front View

RGB/Composite Switch — Used to select the RGB or the composite input. Switching between the two RGB inputs is automatic.

COMPOSITE RGB

Adjust the Color, Contrast, Brightness and Hue controls to the desired color levels.

Press Power Switch — turns monitor on/off. When the power is on the LED will light.



The Sharpness control is used to adjust picture detail to suit individual preferences.

Your monitor is equipped with a Green Switch that can be used to produce a screen that imitates a green monochrome monitor. Typically used to improve the legibility of text in word processing applications.

Volume control adjusts speaker volume.

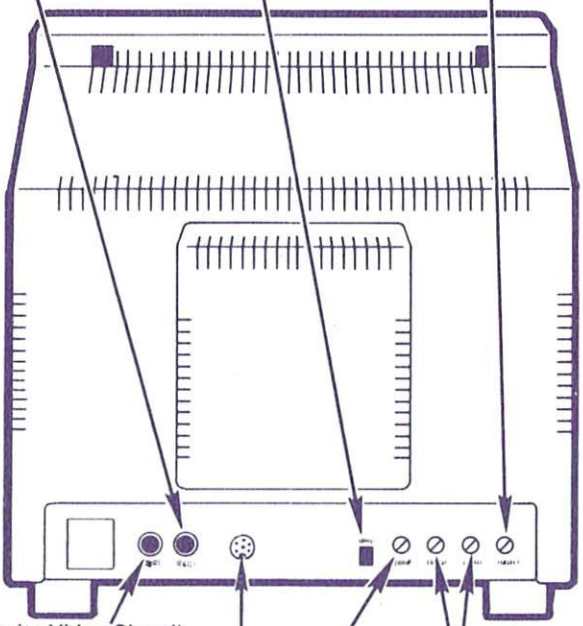
Convenient tilt base folds out of the bottom allowing you to adjust the monitor's viewing angle.

Rear View

VCR Button — If you use your monitor as a display for your VCR, VLP or Video Camera press this button to adjust the monitor's circuitry to those devices.

Audio Input — For connecting a source with an audio signal output.

H-Width Control — Used to adjust the image width on the screen.



CVBS (Composite Video Signal) Input — For connecting a computer with composite video output.

RGB 8 Pin DIN Socket — TTL input used to connect a computer requiring this type of interface terminal. IBM PC, PCJR, and Commodore 128 or Amiga can use this socket.

Centering Vert. & Horiz. Controls — Depending on the situation you can center the image vertically from top to bottom or horizontally from left to right with these controls.

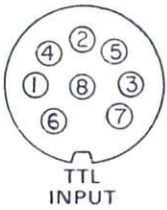
V-Height Control — Used to adjust the image height on the screen

Optional Equipment — A VCR, Video Disc Player, Video Camera, or component TV tuner can be connected to the CVBS Input and Audio Input sockets.

RGB 8 Pin DIN Socket

PIN ASSIGNMENTS

PIN NO.	TTL INPUT 8 PIN SIGNAL
1	not connected
2	Red
3	Green
4	Blue
5	Intensity
6	Ground
7	Horiz. Sync
8	Vert. Sync



When using this socket before connecting the equipment, place the RGB/Composite Switch in the RGB position.

CAUTION:
This monitor generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If it does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

...reorient the receiving antenna
...relocate the computer with respect to the receiver
...move the computer away from the receiver
...plug the computer into a different outlet so that the computer and receiver are on different circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How To Identfy and Resolve Radio-TV Interference Problems". This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

Use only RF shielded cables when connecting this monitor to a computer device.

TECHNICAL SPECIFICATIONS

Picture Tube Type	: 13'' diagonally measured
Deflection Angle	: 90°
Video Input Signal	: Composite Video, 1Vp-p, negative sync, phono connection type. : TTL level digital video, separate horizontal and vertical syncs.
Horizontal Resolution	: 640 dots (RGB)
Character Field	: 25 lines of 80 characters (2000 total)
Audio Input Level	: Up to 150mV phono connector type.
Audio Output Level	: Up to 1W @ 5% distortion.
Power Supply	: 120Vac ± 10%, 50-60Hz
Power Consumption	: 75 Watts Maximum
Dimensions (H x W x D)	: 320 x 350 x 387mm

In support of our policy of continuous product improvement, the above specifications are subject to change without notice.

SAFETY PRECAUTIONS

A. Do not place objects on top of the monitor cabinet which could fall into vents or which could cover them and prevent proper cooling of the monitor's electronics.

B. To reduce the risk of fire or shock never expose the monitor to rain or excessive moisture.

C. Do not place your monitor where sunlight or bright room light will fall directly on the screen.

D. When necessary clean the cabinet with a damp cloth. Use only mild detergents. Do not use alcohol or ammonia based products.

E. Unplug the AC cord from the outlet if the monitor is not to be used for an extended period of time.

User Maintenance Caution

There are no user serviceable parts inside the monitor's cabinet. Do not attempt to remove the cabinet back, as you will be exposed to a shock hazard.

LIMITED WARRANTY
MAGNAVOX Computer Monitor

*12-Month Carry-In Service Parts & Labor Warranty
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

What N.A.P. Will Do

Parts and Labor During First 12 Months:
For Twelve (12) Months from the date of purchase, a Magnavox Authorized Service Center will repair any product defect and replace any defective part, including the picture tube, without charge to you for parts or labor.

Who is Protected?...Where?
This warranty is extended to the original retail purchaser for products purchased and used in the U.S.A. (excluding Puerto Rico and the Virgin Islands). If you move within the U.S.A., an Authorized Service Center in your new area will honor this warranty for the remainder of the original warranty period.

What the Purchaser Must Do Before you call for service, check your operating instruction booklet. A slight adjustment of the customer controls discussed in your instruction booklet may save you a service call.

If you require service during the warranty period, you must take your Magnavox Monitor to an Authorized Service Center and pick it up after completion of service. The Service Center must be allowed to keep defective parts.

For names and locations of Magnavox Authorized Service Centers, ask any authorized Magnavox dealer or consult the Yellow Pages of your telephone directory.

YOU MUST PRESENT PROOF OF THE DATE ON WHICH THE TV SET WAS FIRST PURCHASED (SALES RECEIPT OR OTHER EVIDENCE) WHEN REQUESTING SERVICE OR REPLACEMENT PART WARRANTY PERFORMANCE.

Warranty Exclusions

Your Warranty Does Not Cover:

Labor charges for set installation, set-up or adjustment of customer controls.

Product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of N.A.P. Consumer Electronics Corp.

Problems caused by signal conditions or cable or antenna systems outside the TV set.

A monitor purchased, used or serviced outside the U.S.A.

Incidental or consequential damages resulting from the product or use of the product. Some states do not allow the exclusion of incidental or consequential damages so the above exclusion may not apply to you.

ALL IMPLIED WARRANTIES INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THIS EXPRESS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may no apply to you.

Important Reminder

Please fill out your Warranty Registration Card and mail it to N.A.P. Consumer Electronics Corp. promptly. It will be easier for us to notify you if it should ever be required. Return of the Warranty Registration Card is not a condition to Warranty Coverage.

Product Services Operation
N.A.P. Consumer Electronics Corp.
P.O. Box 555
Jefferson City, TN 37760
(615) 475-3801

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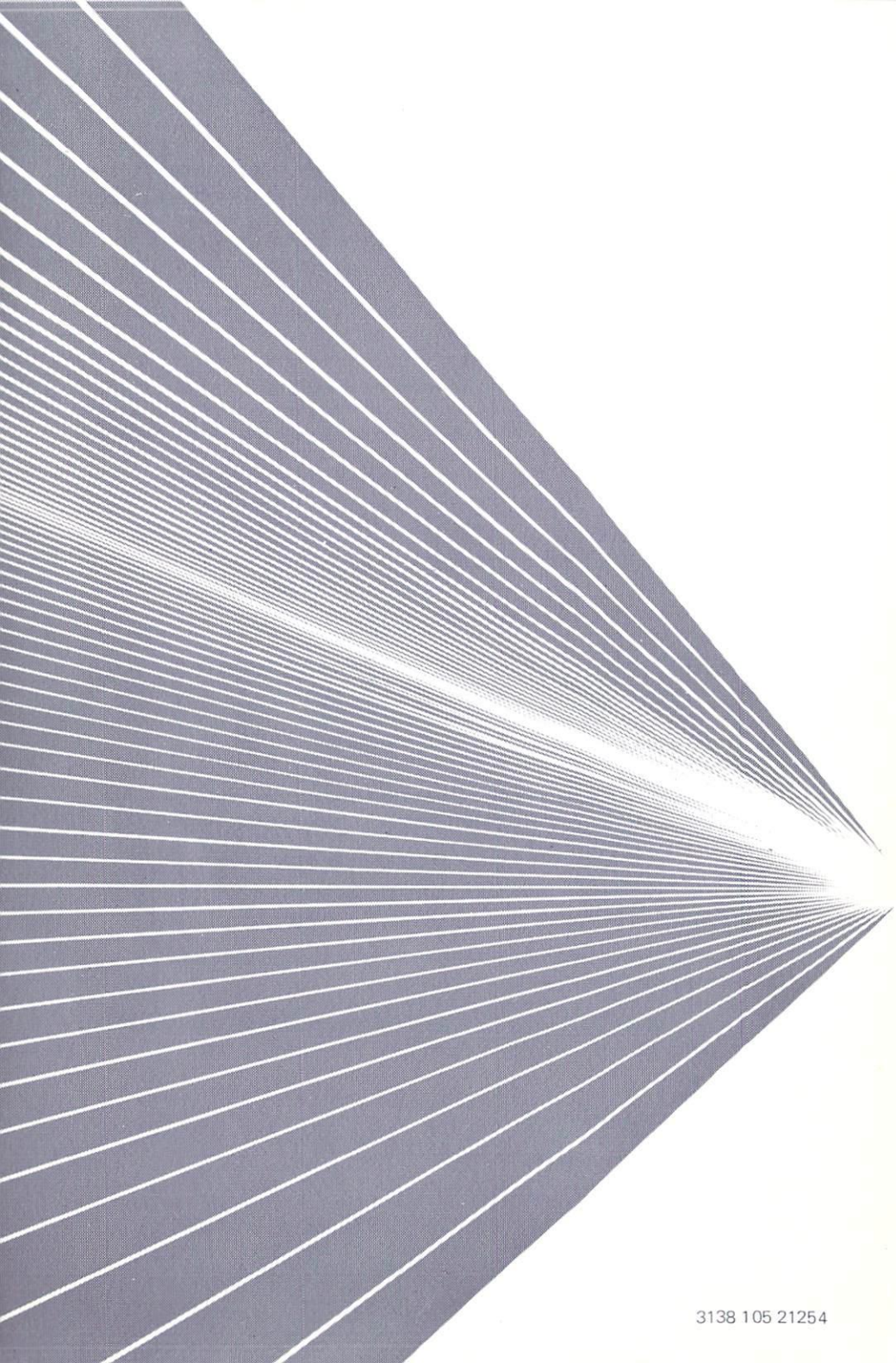

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